

PLANT PROTECTION TECHNOLOGY OF CARROT
PESTS

Name of the pests		Country	Monitoring methods	Control measures		
English	Latin			Cultural and mechanical	Beneficial organisms	Other substances
Carrot fly	<i>Psila rosea</i>	Austria	visual monitoring	fleece or nets to protect plants - rarely used	-	-
		Estonia	visual monitoring	crop rotation, acryl cover, mulch	-	-
		Germany	yellow sticky trap	crop cover (nets)	-	-
		Lithuania	visual checking at BBCH 13	crop rotation, optimal density	-	-
		Poland	visual checking	crop rotation, planting away the bush and trees, crop perennial. Eradication of blooming weeds, tillage after harvest,	-	extracts from garlic
	<i>Trioza viridula</i>	Estonia	visual monitoring	mixed cropping, acryl cover,	-	-

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Root rot nematodes	<i>Meloidogyne spp.</i>	Hungary	visual checking	crop rotation, green manuring with white mustard and <i>Phacelia tanacetifolia</i>	-	-
		Poland	visual checking	crop rotation, planting cereal crops, eradication of weeds	-	-
Wireworms	<i>Elateridae</i>	Hungary	estimation by soil assessment	crop rotation, soil tillage, green manuring with white mustard and <i>Phacelia tanacetifolia</i>	-	-
Larvae of cockchafer	<i>Melolonthidae</i>	Hungary	estimation by soil assessment	crop rotation, soil tillage, green manuring with white mustard and <i>Phacelia tanacetifolia</i>	-	-
Carrot psylla	<i>Trioza apicalis</i>	Lithuania	visual checking at BBCH 13-16	crop rotation, optimal density	-	-
	<i>Pemphigus sp.</i>	Poland	visual checking	no planting near poplar	-	-
Owlet moths	<i>Agrotidae</i>	Poland	sex-pheromone traps, visual checking	eradication weeds between rows, tillage after harvest	<i>B. thuriengiensis</i> var. <i>kurstaki</i>	-

DISEASES

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Soil born disease	<i>Pythium spp.</i> , <i>Rhizoctonia spp.</i> <i>etc.</i>	Poland	visual checking	seeds treatments with extracts grape-fruit (Biosept, Grevit)	-	-
Powdery mildew	Erysiphe heraclei <i>Leveillula</i> <i>taurica</i>	Austria	visual and weather monitoring	-	-	sulphur-solutions
		Hungary	visual monitoring	crop rotation, resistant varieties	-	sulphur Biokal*, bacterium manuring with Phylazonit, meliorating with rhiolite tufa
		Poland	visual checking	spraying infected plants after first signs disease	-	lecithin- Bio Blatt Spray with Biosept (extract from grape- fruit)

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Leaf blight of carrot	<i>Alternaria dauci</i>	Austria	visual monitoring	choice of cultivar	-	copper-solutions
		Lithuania	visual assessment at BBCH 43-55	crop rotation, tillage system, resistant varieties	-	-
		Hungary	visual monitoring	resistant cultivars, healthy seed, crop rotation, destruction of plant debris	-	copper products, Biokal*, bacterium manuring with Phylazonit, meliorating with rhiolite tufa
		Poland	visual checking	spraying infected plants after first disease signs	-	Bio Blat (lecithin) Spray with Biosept , Grevit (extract from grape-fruit)
Black rot of carrot	<i>Alternaria radicina</i>	Estonia	visual monitoring	crop rotation, careful harvesting with dry weather	-	-
		Lithuania	visual assessment at BBCH 43-55	crop rotation, tillage system, resistant varieties	-	-

*Biokal-plant conditioner